

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 1.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-023732**Date Inspected:** 17-May-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1530**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** Jobsite**CWI Name:** John Pagliero**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** SAS OBG**Summary of Items Observed:**

Quality Assurance inspector (QA) Douglas Frey was at the American Bridge/Fluor (ABF) job site at Yerba Buena Island in California between the times noted above in order to monitor Quality Control functions and the in process work being performed by ABF personnel. The following items were observed:

1. 9W PP79 W3 Lifting Lug Holes
2. 10W 11W C1 (Inside)
3. 9W 10W C1 QC-UT
4. 9W 10W D1 R1

1. 9W PP79 W3 Lifting Lug Holes

The QA Inspector noted and periodically observed ABF Darcell Jackson performing Shielded Metal Arc Welding (SMAW) on the Lifting Lug Holes (LLH) located at 9W PP79 W3. The QA Inspector observed the QC John Pagliero as being present in order to monitor the progress and ensure the welding parameters were within the established WPS. The work is in progress and the QA Inspector noted that the work appeared to be in general conformance with the contract documents.

2. 10W 11W C1 (Inside)

The QA Inspector periodically observed ABF Operators Song Tao Huang and Jin Quan Huang preparing the site to perform Flux Core Arc Welding w/gas (FCAW-G) operations on face C1 inside of the OBG.

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The QA Inspector noted that the work was in progress and appeared to be in general conformance with the contract documents.

3. 9W 10W C1 QC-UT

The QA Inspector periodically observed the QC Inspector Jesse Cayabyab performing Ultrasonic Inspection on C1 at 9W 10W inside of the OBG. The QA Inspector noted that the work was completed on this date and appeared to be in general conformance with the contract documents.

4. 9W 10W D1 R1 (Inside)

Upon approval of Magnetic Particle Testing by QC Inspector John Pagliero, ABF welder Jorge Lopez performed SMAW on location #1. The QA Inspector noted the dimensions of the excavation at y=2700 to be 150mm's in length, 30mm's wide and 20mm's deep. The QA Inspector observed the QC inspector monitor the progress and ensure the welding parameters were within the established WPS. The QA Inspector noted that the work was completed on this date and appeared to be in general conformance with the contract documents.

Summary of Conversations:

As noted above



Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Nina Choy 510-385-5910, who represents the Office of Structural Materials for your project.

Inspected By: Frey,Doug

Quality Assurance Inspector

Reviewed By: Levell,Bill

QA Reviewer